

CERTIFICATE OF ANALYSIS

Product: MELTING POINT STANDARD SET
SULPHANILAMIDE, CAFFEINE, VANILLIN

Product No.: SMP-KIT

| | Vanillin | Sulphanilamide | Caffeine |
|-------------------------------|----------------|-----------------|-----------------|
| Product No.: | MPV821 | MPS165 | MPC2361 |
| Lot No.: | MPV82116B1 | MPS16516B1 | MPC23616B1 |
| Date of Test: | 19/06/2014 | 23/07/2014 | 23/07/2014 |
| Expiry Date: | 19/06/2019 | 23/07/2019 | 23/07/2019 |
| Meniscus Formation: | 81.2°C ± 0.3°C | 164.3°C ± 0.3°C | 236.5°C ± 0.3°C |
| Complete Liquefaction: | 81.6°C ± 0.3°C | 165.5°C ± 0.3°C | 237.2°C ± 0.3°C |

The above certified values were recorded at the first appearance of a liquid meniscus and the temperature at which no solid phase is apparent using an IA9200 melting point apparatus operating at a ramp rate of 1°C/min.

INSTRUCTIONS FOR USE:

Remove a sub-sample, lightly crush using a mortar and pestle to produce a fine powder then dry for 8 hours under reduced pressure in a desiccator containing a suitable desiccant.

This certificate is electronically generated and does not require a signature.

Date: 14th March 2016

This certificate must not be reproduced except in full.